HID Aero X300A (Variant B) Output Control Interface Module

Controls up to 12 general purpose outputs

Output control interface module supporting up to 12 general purpose outputs

The HID Aero controller product line provides a complete and fully functional hardware,

firmware, software library and tool infrastructure for access control software providers. This product line is ideal for access control providers who do not want to incur the ongoing costs of designing, manufacturing and maintaining panel hardware along with the critical access control logic that commonly resides locally in access control panels. The HID Aero controller product line is the successor to HID's VertX and

EDGE controllers, and is based on Mercury technology, a controller platform with more than 5 million controllers delivered globally.

The HID Aero X300A (Variant B) provides on- board IO support for up to 12 control points and four monitor points.

Attach the X300 to an X1100 intelligent controller to perform full access control processing or attach multiple X300s to control more outputs.

The X300 serves as a form-and-fit replacement for the VertX V300.

KEY BENEFITS:

- **Open Architecture —** Work with a variety of software partners over time without any reinvestment in hardware
- **Based on Mercury Technology —** Built on a tried-and-tested platform, operating in the most demanding access control enterprises for 25+ years
- **DIN Rail Mountable —** Use mounting accessory (sold separately) to easily attach housing to mechanical DIN rails
- **Easy-to-Understand LED Status Lights —** Equipped with status lights representing power heartbeat, online/offline status, reader status, input status and relay status

HID Aero X300A (Variant B)

KEY FEATURES

- **Custom Rules Processing**
  Use X300 in conjunction with custom rules engine on X1100 to create elaborate rules for handling input states

- **Elevator Control**
  Use in conjunction with X1100 elevator processing engine to control elevator floor access

- **VertX V300 Replacement**
  Form/fit replacement

- **IO Module Encryption**
  Enhance security between intelligent controller and IO modules with AES encryption

- **Crypto Chips**
  Protect against malicious attacks to keep keys and passwords safe

- **Threat Levels**
  Define up to 7 different threat levels that are used to instantaneously adjust user access during lockdowns and lockouts

- **Mounting**
  Physically mount to DIN rails using accessory (sold separately)

HIGHLY CONFIGURABLE

- Change reader modes based on time thresholds and pre-alarm signals, for the benefit of functionality like a global lockdown
- Enable access rights or alerts for specific groups of users
- Create unique situational emergency alerts using highly detailed transaction information and data correlation features

SOPHISTICATED THREAT DETECTION

- Duress signaled from keypad readers will notify the host for immediate action and quick response in emergency situations
- Offline protection against improper card usage via local anti-passback capability
- Ability to monitor supervised input wiring to help identify system faults or malicious attacks

PLATFORM SECURITY

- Encryption of data at rest provides privacy for data on the intelligent controller
- Monitor the health of the intelligent controller on the network by utilizing SNMPv3
- Ensure rogue devices cannot be plugged into the network by using 802.1X to implement port-based network access control

HARDWARE DESIGN

- The Aero X1100 combines the capability of the legacy V1000 and V2000 enabling a simpler approach to installation — one SKU covers both use cases!
- Market-leading maximum operating temperature allows for installation in harsh environments

Input Voltage	12 to 24 Vdc +/- 10%
Maximum Input Current	500 mA
Intelligent Controller Communication	2-wire RS-485, 2400 to 115K BPS, asynchronous
Inputs	5 supervised/unsupervised, standard EOL: 1k/1kΩ 1%, 1/4 watt
Outputs	12 Relays, Form-C with dry contacts, non-latching
Relay Contact Rating	5 A (Max) @ 30 VDC (Max) resistive
Operating Temperature	32 to 158 °F (0 to 70 °C)
Humidity	5 to 85% RHNC
Storage Temperature	-67 to +185° F (-55 to +85° C)
Dimension	6.46" x 5.51" x 1.02" (164 mm x 140 mm x 26 mm)
Weight	326 g
Certifications	Certification: FCC Part 15 Subpart B, CE, BSMI, IC, AS/NZS, TCVN, KCC, VCCI Safety: UL-294, IEC 62368-1, CB Scheme Hazardous Substances: RoHS (2011/65/EU & 2015/863), EU REACH (1907/2006), California Proposition 65
HS Code	8537.10.9
ECCN	EAR99

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